

ABSTRACT

This present invention is a data processing system applying in a wireless local area network for increasing the amount of data transmission. The system compresses and decompresses the data transmitted or received by a data receiving/transmitting apparatus to increase data transmission. The system includes a transmitting device and a received device. The transmitting device determines whether to compress the transmitting data, and compresses the data with a corresponding compressing method. The received device determines whether the received data being compressed or not, and decompresses the received compressed data with a corresponding decompressing method. The invention system can compress the data transmitted by the data receiving/transmitting apparatus so that the data receiving/transmitting apparatus can transmit more data in a fixed bandwidth.